



2414 PATENT
#6/A
m-c
10-16-96

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Stephanie W. Ti and Charles C. Stearns
Assignee: S3, Incorporated
Title: FRAME RECONSTRUCTION FOR VIDEO DATA COMPRESSION
Serial No.: 08/508,636 Filed: July 28, 1995
Examiner: T. Peeso Group Art Unit: 2414
Attorney Docket No.: M-3415 US

San Jose, California
September 30, 1996

COMMISSIONER OF PATENTS AND TRADEMARKS
Washington, D. C. 20231

AMENDMENT

Sir:

Applicants submit this Amendment in response to the Office
Action in this case dated July 9, 1996.

IN THE CLAIMS

Please amend Claims 1 and 11 as follows:

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1. (Amended) A frame reconstruction circuit for
reconstructing a block of video data that has been subject to
[MPEG] compression, the block of video data including a
plurality of pixels arranged in a horizontal and vertical
array, and comprising:

a first interpolation element having an input
terminal for receiving data representing the pixels of the
block of video data, wherein the first interpolation
element averages data representing a first pixel of the
block of data with data representing a second pixel
adjacent in a first direction in the block of data to the
first pixel, and providing the averaged value at an output
terminal;

a second interpolation element having an input
terminal coupled to the output terminal of the first
interpolation element, wherein the second interpolation

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